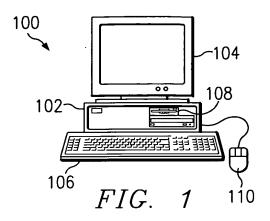AUS920010498US1
Boykin et al.
Method and Apparatus for Dynamically
Determining Actions to Perform for an Object
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100

104

102

108

106

FIG. 1

110

CLIENT
200

202 PROCESSOR

208 HOST/PCI CACHE/BRIDGE

204 MAIN MEMORY

216 AUDIO ADAPTER

206

BUS

SCSI HOST BUS ADAPTER —212

226

DISK

TAPE

228

CD-ROM

230

—232

LAN ADAPTER

210

EXPANSION BUS INTERFACE

214

GRAPHICS ADAPTER

218

AUDIO/VIDEO ADAPTER

219

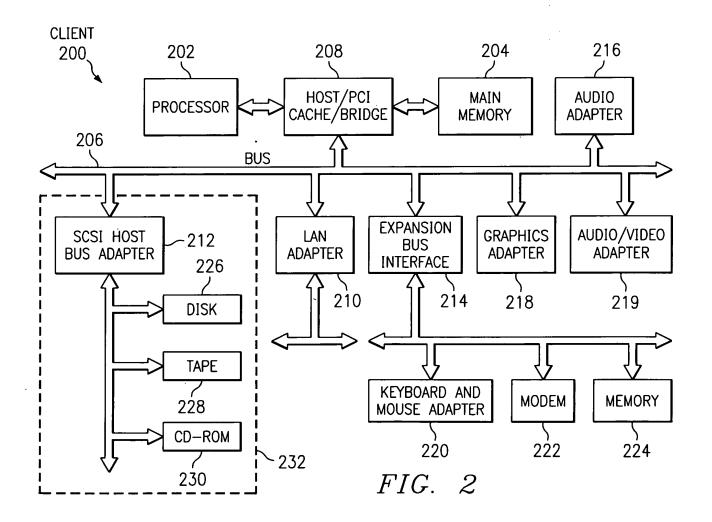KEYBOARD AND MOUSE ADAPTER

220

MODEM

222

MEMORY

224

FIG. 2

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300   304   302

```
┌─────────┐      ┌─────────┐      ┌─────────┐
│ CLASSES │ ───► │  MENU   │ ───► │   GUI   │
│         │      │ PROCESS │      │         │
└─────────┘      └─────────┘      └─────────┘
```

FIG. 3

View Directory — Directories — Tivoli Console

Console   Edit   View   Selected   Window   Help

View Directory — Directories

Folders

☐—☐ Directories
    ~404
   ☐—☐ Local ORB
     ~406
    ☐—☐ LogMgr
     ~408
   ☐—☐ ∫
    410
    402

Contents of Folder "Local ORB"

Name   ►

☐ LogMgr
ORB   414
AccessManager   416
VersionObject

Copy	Ctrl C
Create Subdirectory	
Cut	Ctrl-X
Remove	418
Rename	
Select All	
Select None	~428
View Directory	~430

420 ─
422 ─
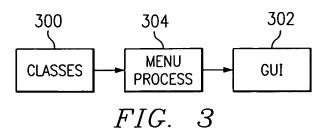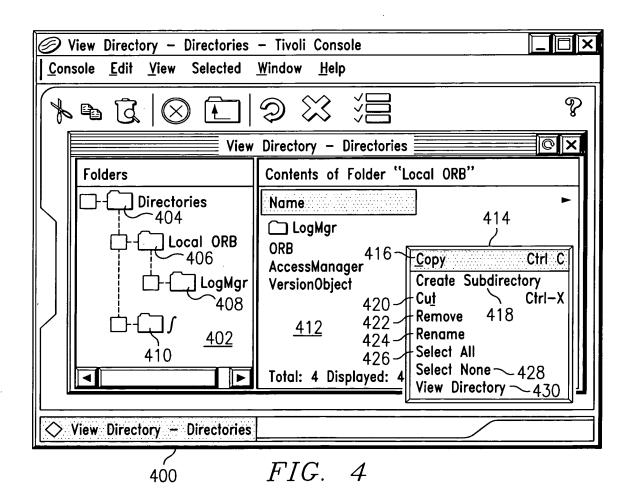424 ─
426 ─

412

Total: 4 Displayed: 4

◇ View Directory — Directories

400

FIG. 4

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FIG. 5

START

500 — UNPROCESSED FULLY–QUALIFIED JAVA CLASS WHICH CAN HAVE ACTION PRESENT?

NO → END

YES

SELECT UNPROCESSED JAVA CLASS — 502

SAVE STRING VERSION OF FULLY–QUALIFIED JAVA CLASS THAT HAS RELATED ACTIONS — 504

UNPROCESSED ACTION WHICH CAN BE LAUNCHED RELATIVE TO THIS JAVA CLASS PRESENT ? — 506

NO

YES

508 — SAVE ResourceBundle CLASS NAME AND KEY FOR ACTION TEXT

510 — SAVE FULLY–QUALIFIED, JAVA CLASS FOR THE ACTION

FIG. 6

START

600 — JAVA OBJECT IS PASSED IN FROM AN APPLICATION FROM A SOURCE

602 — CREATE EMPTY COLLECTION FOR POPUP MENU ITEMS

604 — RETRIEVE JAVA OBJECT'S CLASS

606 — ADD TO POP–UP MENU ITEMS COLLECTION FOR JAVA CLASS

608 — CREATE POP–UP MENU FROM POPUP MENU ITEM COLLECTION

610 — DISPLAY POP–UP MENU

END

FIG. 8

START

800 — RETRIEVE THE actionCommand FOR THE ACTION FROM THE ActionEvent OBJECT PASSED IN

802 — INSTANTIATE THE ACTION CLASS BASED ON THE actionCommand PASSING THE OBJECT OF THE POPUP TO THE NEW ACTION CLASS

804 — ACTION CLASS EXECUTES

END
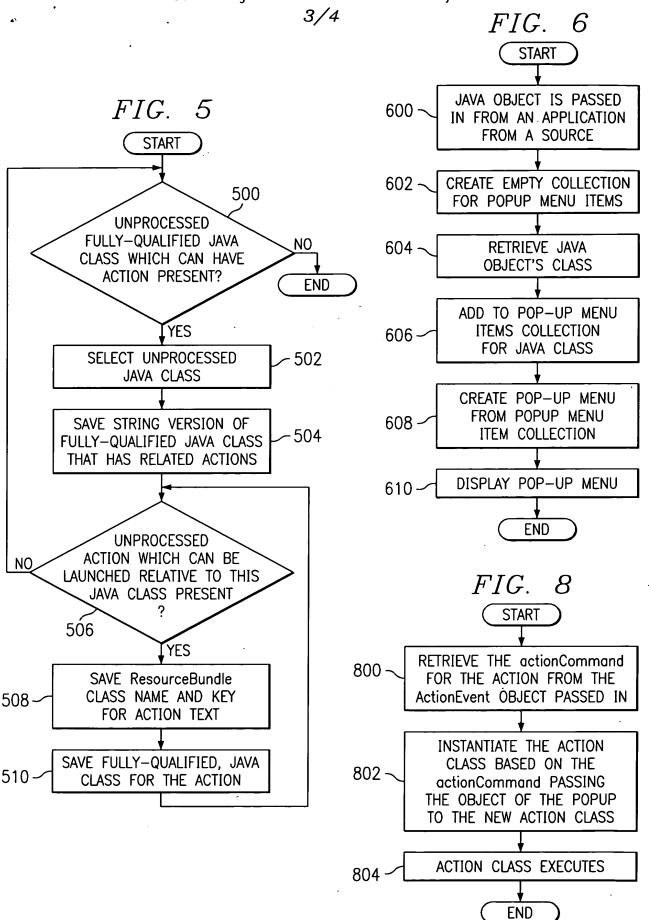
AUS920010498US1
Boykin et al.
Method and Apparatus for Dynamically
Determining Actions to Perform for an Object
4/4

FIG. 7

START

700 — RETRIEVE RELATED ACTIONS FOR STRING NAME FOR JAVA CLASS

702 — UNPROCESSED ACTION DEFINITION ?

NO →

YES ↓

704 — SELECT UNPROCESSED ACTION DEFINITION

706 — LOOKUP ACTION'S TEXT USING THE REGISTERED ACTION'S ResourceBundle AND KEY VIA STANDARD JAVA LOGIC

708 — RETRIEVE STRING NAME FOR JAVA CLASS FOR THE ACTION FROM ITS REGISTERED INFORMATION

710 — SAVE THE ACTION TEXT AND JAVA CLASS STRING NAME WITHIN THE COLLECTION

712 — UNPROCESSED JAVA SUPERCLASS FOR THIS JAVA CLASS ?

YES →

714 — SELECT UNPROCESSED SUPERCLASS

716 — ADD THE POPUP MENU ITEMS FOR THIS JAVA SUPERCLASS

NO ↓

718 — UNPROCESSED INTERFACE IMPLEMENTED BY THIS JAVA CLASS ?

YES →

720 — SELECT UNPROCESSED INTERFACE

722 — ADD THE POPUP MENU ITEMS FOR THIS JAVA INTERFACE

NO ↓

END